Read Me First

This document supplements or corrects all other documentation you receive with the BayStack™ ARN™ router hardware and software.
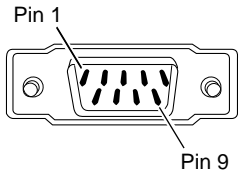
Release Notes

This section supplements the *Release Notes for Router Software Version 11.00 Revision 4n* and the *Release Notes for Site Manager Software Version 5.00 Revision 4n.*

Terminal Console Interface

Table 1 lists the correct pin signals for the ARN Console port. Table C-12 in *Installing and Operating BayStack ARN Routers* lists incorrect pin signals.

Table 1.   Terminal Console Port DB-9 Pin Assignments

Pin Assignment	Pin No.	Signal Name	Direction
	1	Not used	From terminal
	2	Transmit data, TXD	To terminal
Pin 1	3	Receive data, RXD	From terminal
	4	Not used	From terminal
	5	Ground	N/A
	6	DTR	To terminal
Pin 9	7	Not used	From terminal
	8	Not used	To terminal
	9	Not used	N/A

➡ **Note:** The ARN Console port does not support a modem. You must attach an external modem to the ARN Modem port, or use the optional integrated V.34 console modem.

Integrated V.34 Console Modem Support

The V.34 console modem adapter module

- Supports only Raise DTR
- Does not support asynchronous PPP connectivity
- Must be configured as Monitor and set to originate calls for bandwidth-on-demand
- Must be configured as Dial Master and set to originate calls for Dial Backup
- Does not originate and answer calls simultaneously (therefore, must be set to originate when BOD is configured as Monitor, or when Dial Backup is configured as Master, and must be set to answer when BOD is Non-Monitor or Dial Backup is Slave)

Netbooting over a DSU/CSU Interface

The ARN supports Netbooting over the DSU/CSU interface only for the default configuration, 56-Kb/s DDS lines. You cannot netboot over a 64-Kb/s DSU/CSU interface.

ARN Platform Known Anomalies

This section supplements the *Known Anomalies: Router Software 11.00 Revision 4n and Site Manager 5.00 Revision 4n.*

Anomaly:	Site Manager allows setting Modem Enable on the ARN console port, but the port does not support a modem.
Number:	27605
Description:	The Modem Enable parameter should always be disabled for editing. However, if you edit Serial Port 1 and then Serial Port 2, the Modem Enable option is not dimmed when returning to Serial Port 1.
Workaround:	Do not set the Site Manager Modem Enable parameter to Enable, and do not set wfSerialPortEntry.12.1 to 1 from the Technician Interface.

Anomaly:	Deleting and then re-creating a synchronous circuit in dynamic mode causes a fault condition.
Number:	27799
Description:	Using dynamic mode to delete a synchronous circuit and then re-creating the same circuit in the router configuration causes a fault condition.
Workaround:	Disable the circuit before you delete it; you can then re-create the circuit without getting a fault condition.

Anomaly:	You cannot delete an ISDN demand circuit from the router when a call is active.
Number:	27800
Description:	Attempting to delete a demand circuit when a call is active causes a fault condition. This occurs on both the AN and ARN platforms.
Workaround:	Disable the circuit before you delete it.

Anomaly:	In the V.34 modem AT command string, Site Manager misinterprets "LO" as OFF.
Number:	27802
Description:	If you add "LO" to the user-defined AT command string (Configuration Manager > Edit Modem > Expert Config=ON; then enter a string in Modem Config String), Site Manager interprets the code as OFF. The LO code should indicate Low volume.
Workaround:	Do not include the LO command in an AT command string.

Anomaly:	ARN V.34 modem answer string is not set on the first attempt.
Number:	27803
Description:	The first time you set the V.34 modem to answer calls (Configuration Manager > Edit Modem > Originate/Answer=Answer), the parameter resets to Originate after you click on OK.
Workaround:	To set the V.34 modem to answer calls, configure the Answer parameter twice (Configuration Manager > Edit Modem > Originate/Answer; then repeat).

Anomaly:	Modifying Site Manager Console parameters does not restart the Technician Interface.
Number:	27807
Description:	Some of the configurable console parameters (for example, the "more" Enable and TI History Depth parameters) do not restart the Technician Interface. Even though the MIB values change, these new values do not take effect until the Technician Interface restarts.
Workaround:	Restart the Technician Interface by changing the Technician Interface prompt (that is, modifying the Prompt parameter), or by logging out and then in again to the Technician

Interface from a direct console connection.

Anomaly:	Netboot works on DSU/CSU only when configured for the default, 56-Kb/s DDS lines.
Number:	27815
Description:	Netboot fails over a DSU/CSU interface configured for Clear Channel 64-Kb/s lines (Configuration Manager > Edit DSU/CSU > Option Mode = CC-64KBPS).

Anomaly:	The ARN initiates dial service calls on an internal console modem set to Answer Only.
Number:	27819
Description:	On an ARN with both an internal console modem and an external modem, the router initiates calls on the internal rather than the external modem, even though the internal modem is set to Answer Only. The call attempt fails and the router eventually initiates calling on the correct modem, but only after three retries.
Workaround:	Ensure that the internal console modem is not used by setting its wfSyncPriority to a high number (for example, 99).

Anomaly:	When configuring a second circuit using the *inst_arn.bat* script, selecting static route from the IP Routing Protocol Configuration menu causes a fault condition.
Number:	27829
Description:	When you are configuring a second circuit using the *inst_arn.bat* script, and you select static route (option 3) from the IP Routing Protocol Configuration menu, the following error message appears:

```
Variable: Undefined Variable - dlci_mgt
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	The *inst_arn.bat* script returns you to the IP Static Route to Site Manager Configuration window. The script continues to loop in this manner without allowing you to configure the second circuit with IP static routes.
Workaround:	Do not add a second circuit that contains IP static routes.